

Atty. Docket: Q66818

and said driver means driving during blue exposure said modulator means in accordance with blue image data to control a tilt of each micromirror;

a red light source for striking said modulator means at a predetermined angle of incidence and illuminating said modulator means with red color light during the red exposure, said red light being disposed on a first line corresponding to said predetermined angle of incidence;

a green light source disposed downstream from said red light source along said first line corresponding to said predetermined angle of incidence for striking said modulator means at said predetermined angle of incidence and illuminating said modulator means with green color light during the green exposure;

a blue light source disposed downstream from said green light source along said first line corresponding to said predetermined angle of incidence for striking said modulator means at said predetermined angle of incidence and illuminating said modulator means with blue color light during the blue exposure; and

a projector optical system disposed in a second line corresponding to a first predetermined angle of reflection from said modulator means, for projecting red, green, and blue color light reflected from micromirrors of said modulator means which are disposed in said first tilt state onto the photosensitive material.

7. (Amended) A color printer for printing an image on photosensitive material, comprising:

means for modulating the intensity of a [laser beam] light with image data of one color, said modulator means having at least one micromirror array having a plurality of micromirrors disposed in line each capable of being controlled to tilt;

means for driving said modulator means to control a tilt of each of said micromirrors, said driver means driving during red exposure said modulator means in accordance with red image data to control a tilt of each micromirror, said driver means driving during green exposure said modulator means in accordance with green image data to control a tilt of each micromirror, and said driver means driving during blue exposure said modulator means in accordance with blue image data to control a tilt of each micromirror;

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a red light source for striking said modulator means at a predetermined angle of incidence and illuminating said modulator means with red color light during the red exposure, said red light being disposed on a first line corresponding to said predetermined angle of incidence;

a green light source disposed downstream from said red light source along said first line corresponding to said predetermined angle of incidence for striking said modulator means at said predetermined angle of incidence and illuminating said modulator means with green color light during the green exposure;

a blue light source disposed downstream from said green light source along said first line corresponding to said predetermined angle of incidence for striking said modulator means at said predetermined angle of incidence and illuminating said modulator means with blue color light during the blue exposure; and

a projector optical system disposed in a second line corresponding to a first predetermined angle of reflection from said modulator means, for projecting red, green, and blue color light reflected from said modulator means onto the photosensitive material; and

a white light source disposed downstream from said blue light source along said first line corresponding to said predetermined angle of incidence for striking said modulator means at said predetermined angle of incidence and illuminating said modulator means with white light to record a monochrome image.

12. (Amended) A color printer for printing an image on photosensitive material, comprising:

a modulator which modulates the intensity of a [laser beam] light with image data of one color, said modulator including at least one micromirror array having a plurality of micromirrors, wherein each of said micromirrors includes a first tilt state, a second tilt state and a horizontal state;

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a driver which drives said modulator to control a tilt state of each of said micromirrors, said driver driving during red exposure said modulator in accordance with red image data to control a tilt state of each micromirror, said driver driving during green exposure said modulator in accordance with green image data to control a tilt state of each micromirror, and said driver driving during blue exposure said modulator in accordance with blue image data to control a tilt state of each micromirror.

14. (Amended) A color printer according to claim [13] 12, [wherein said red light source is] further comprising:

a red LED unit for illuminating said modulator with red light during the red exposure; [,]
[said green light source is] a green LED unit for illuminating said modulator with green light during the green exposure; [,] and

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[said blue light source is] a blue LED unit for illuminating said modulator with blue light during the blue exposure.

15. (Amended) A color printer according to claim [13] 14, wherein said modulator includes N micromirror arrays, wherein N is a natural number, the micromirrors being disposed in a matrix.

17. (Amended) A color printer according to claim 16, wherein said valid reflection state [is along said second line corresponding to said first predetermined angle of reflection from said modulator, along which] causes said red, green, and blue light [are reflected] to reflect toward the photosensitive material.

18. (Amended) A color printer according to claim 17, wherein said invalid reflection state [is along a third line corresponding to a second predetermined angle of reflection from said modulator, along which] causes said red, green, and blue light [are reflected] to reflect toward a light absorption material.

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